

ABSTRACT OF THE DISCLOSURE

A method for gasification of halogen containing remainders and waste materials is provided including obtaining a reactant including halogen containing remainders and/or halogen containing waste, and where necessary an additional combustible. The reactant has a heat value of greater than 6 MJ/kg and is reacted with a gasification agent containing free oxygen into a crude gas using a flame reaction at a pressure in excess of ambient pressure to a final temperature of at least 1100° C. The crude gas contains carbon monoxide, hydrogen-containing gas and/or halogen/hydrogen containing gas. The crude gas can then be cooled and further processed.